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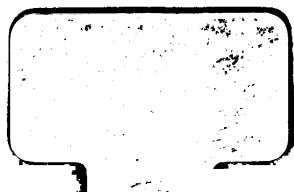
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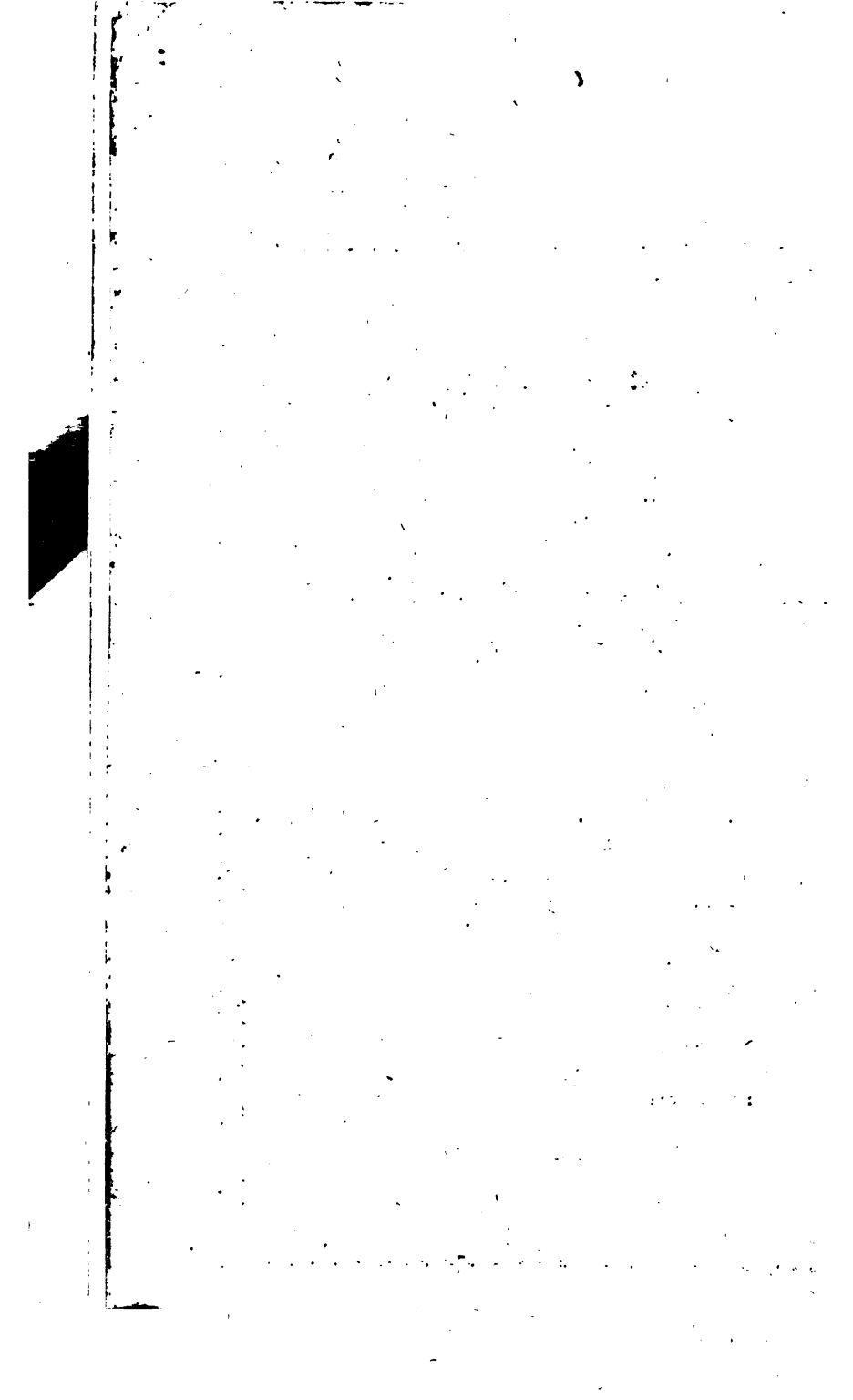
THE
First Annual Report
OF THE
SHEFFIELD
LITERARY AND PHILOSOPHICAL
SOCIETY.

DELIVERED AT THE ANNUAL MEETING, JAN. 2, 1824.

SHEFFIELD:
PRINTED BY JAMES MONTGOMERY, AT THE IRON-OFFICE.

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1824.

2. 1824.



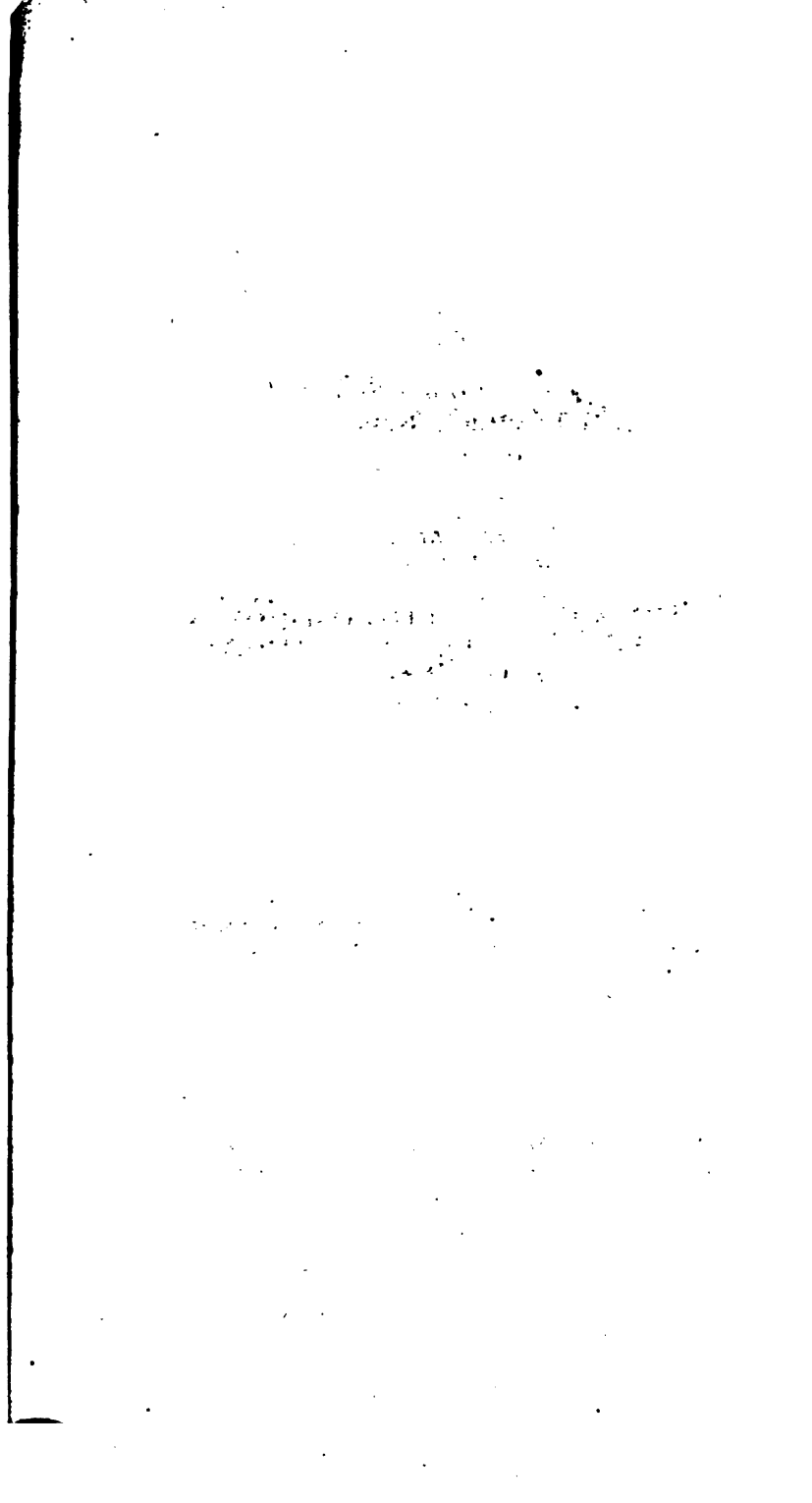
THE
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FIRST REPORT,

&c. &c.

THE Committee may congratulate the Proprietors, the Subscribers, and the public at large, on the prosperity of the Literary and Philosophical Society of Sheffield, during its first year. The numbers of both classes of members have far exceeded the utmost hopes of the founders, considering various disadvantages and discouragements under which the plan was brought forward. There are now Ninety-seven Proprietors, and there have been Eighty-two Subscribers during the last twelve months,—making together 179 members; and each of these being entitled to introduce two ladies or youths on public occasions, 537 persons have thus been partakers of the benefits of the Institution. There is reason, also, to believe, that the numbers of both classes of members will be increased rather than diminished in the year to come.—*Proprietors*, it will be remembered, are those who properly constitute the Society, have a share in its effects, are responsible for its proceedings, and are entitled to all its privileges. *Subscribers* are those, who, by payment of a moderate annual sum, are admitted to the regular Lectures, and also to the extraordinary ones, on the same terms as Proprietors.

In the course of the past year, the Committee have been enabled to furnish the members and those friends whom they have the right of introducing, with *eight regular* and *ten extraordinary Lectures*; the former according to the terms of subscription, the latter according to special arrangement,—a circumstance which hardly could have been expected to have come within their power so early in the history of the Institution, but which, nevertheless, was boldly hazarded and successfully executed to the satisfaction of all parties. Of the *regular Lectures*, *six* were delivered by proprietors, as will be particularly stated below in the Secretaries' Report, and *two* were allowed gratuitously out of *twelve* on the chemical and mechanical principles of nature, by Mr. WEBSTER, an able and distinguished man of science, engaged by the Committee, according to a power vested in them by the laws. To the remaining *ten* of Mr. Webster's Lectures, proprietors and subscribers were admitted on conditions exceedingly desirable, and of which, to their credit as lovers of knowledge, (experimental, and peculiarly appropriate to the circumstances of this large manufacturing neighbourhood,) they liberally availed themselves. The public at large, with whose interest the members of this Society will always endeavour to identify their own, were also accommodated with a participation in the benefits of this course on terms as moderate at least as they could otherwise have enjoyed them, and no mercenary advantage having been taken of the monopoly which was thrown into the hands of the Committee in this case,—and which they only mention here as a pledge that no such advantage will ever be taken by their suc-

cessors, while this Institution shall continue to be conducted on those public-spirited principles which are vital not only to its welfare but to its existence. Thus the Lecturer was handsomely compensated for his labours, the members of the Society were privileged beyond the rest of their townspeople, and the latter were not called upon to make any sacrifice in compassing these objects. By the statement of Accounts accompanying this Report it will be seen that these important purposes were accomplished at a very small comparative expense to the regular funds. Had the actual loss been thrice the amount, the Committee would have felt themselves fully justified in making the attempt, to shew that the Literary and Philosophical Society of Sheffield would neither be inactive nor unenterprising in pursuit of those enlarged means of improvement, which the members promised both to themselves and their neighbours from the commencement of the Institution.

The proprietors, according to their exclusive rights, have held Monthly Meetings for literary and philosophical conversation, when several ingenious papers on approved subjects have been read, which have generally excited animated and interesting discussions. These will be particularized below. The authors have been requested, according to a rule of the Society, to furnish copies of their respective Essays, which will be transcribed in a Book prepared for that purpose; where, it is to be hoped, they will constitute an accumulating store of valuable and curious information for future reference and use. It is earnestly recommended to our numerous and intelligent

friends to aid this part of the plan for extending knowledge among contemporaries, and bequeathing it to posterity, as far as may be in their power. Much of the eventual efficiency of the Institution depends upon the character of these Monthly Meetings, and the personal part which the proprietors take in providing contributions, or exercising their minds in the deliberations. It may be worthy of the consideration of future Committees, whether, on the Lecture Evenings, in lieu of one long Essay on a subject of literature or philosophy, two, three, or four of these minor Papers, might not be read to the subscribers and their friends, who, as well as the friends of proprietors, are at present debarred from enjoying any pleasure or profit from this source of both to the latter,

Beyond the arrangements, connected with the Lectures and Monthly Meetings, it has not been in the power of the Committee to do much, and they do not regret this, because, while they are gaining experience, and have ample time for inquiry concerning whatever apparatus may be hereafter necessary, when the Society shall have suitable premises of its own,—the funds are reserved and increasing, so that when they are directly wanted, our resources will be sufficiently large to meet any moderate expenditure, without the inconvenience, incumbrance, and discouragement of oppressive debt, to paralyze future exertions. The Committee have, however, entered into treaty with the most skilful makers for the construction of philosophical instruments of various kinds. By the purchase of a small assortment of mineral the foundation of a Museum has been laid; while pre

sents of rare and valuable books from friends and honorary members have furnished the first rudiments of a Library. It is confidently hoped, that both the Museum and the Library will be greatly enriched in the course of a short time, both by purchases, and the munificence of public-spirited benefactors, when the Society shall have commodious apartments for the display of their intellectual and scientific treasures under the roof of the New Music Hall. Till then the Committee must forbear expending any considerable sums on these very essential objects; though, in the meantime, they will thankfully receive, and carefully preserve, any donations towards augmenting the present stock of either. It may be proper, in this connection, to acknowledge, with gratitude and respect, the exemplary liberality both of the late and the present Master-Cutler and Company, in allowing the Society the free use of their Hall for every meeting and purpose to which the premises can be made suitable for our accommodation.

One of the original objects of this Institution was to encourage native talent; how far this has been effected by means of information afforded to the members, through the Public Lectures and the Monthly Meetings, it is not for those who set forth this Report, as individuals interested in the credit of their own management, to say. In several instances, the Committee have become acquainted with persons in humble life, who were acquiring knowledge and exercising talent against many obstructions. To such they have given countenance and encouragement, so far as opportunity has been afforded.

In one case, they were enabled to lend some seasonable assistance to a young man, who, in his leisure hours from mechanical labour, had devoted himself to entomology and botany, and who seems worthy of any patronage which his townspeople can render, to forward his these curious pursuits.

Having stated these circumstances, the Committee are not aware that any pledge given to the public has been left unredeemed. Great things were never promised; but we *did* promise to do our best, and we have done it;—which is itself a new pledge that we hope to better still in time to come. When this plan was first proposed, fears and doubts concerning its success were felt by its warmest supporters. The trial of two months has proved that the undertaking was not less expedient than desirable, and not less practicable than expedient. Objections were, indeed, raised against and ill-omened prognostications were uttered by mistaken though worthy individuals. These, for a while,—a short while only,—had the effect of deterring some persons previously well-disposed, from adding their names to the respectable list which had been enrolled at the meeting. But no sooner did the Society announce complete organization, and the commencement of regular proceedings, than numbers beyond all for calculation pressed to be admitted into one or the other of its two classes of membership. Where are the objections now?—where they always were—in idea; and even those who harboured them may be presumed have discovered that they were only ideal. It would

too much, however, to imagine, that in twelve months this Institution has outlived all jealousies and exceptions. The old ones, indeed, may have died, but new ones will spring up season after season, so long as there is imperfection in human nature. The weeds of prejudice, when not perennial, are annual; if not perpetuated from the root, they are propagated by the seed; and year by year we shall have a sufficient crop growing about us, to require all our diligence and circumspection to overcome them. We close, however, the first Session of our labours with the prospect of entering upon the next, under auspices as favourable as may be consistent with the truest interests of the Institution,—namely, in possession of as much patronage as to insure increasing success, but not without vigorous, combined, persevering endeavours on our part, to effect all the liberal purposes for which the Literary and Philosophical Society of Sheffield was originally formed.

TREASURER'S ACCOUNTS,

AT THE CLOSE OF THE SESSION, 1823.

10

RECEIPTS.

	£.	s.	d.
Annual Subscriptions and Entrances	483	10	0
Subscriptions to Mr. Webster's Lectures....	104	16	0
Cash paid for Reports, &c.	2	1	4½

DISBURSEMENTS.

	£.	s.	d.
Philosophical Transactions	15	0	0
Mineralogical Specimens	15	8	0
Apparatus	5	0	0
Mr. Webster for a Course of Twelve Lectures	68	5	0
To expenses attending Mr. Webster's Course of Lectures, including Rent of Assembly- Rooms for the Twelve nights, Printing, &c.	49	15	0
Rent of Rooms, expenses of fitting up for Lectures, Printing and other expenses, being the Annual Expenditure of the So- ciety for the last year.....	96	16	11
Balance in hand			

RESOLUTIONS.

*At the Annual Meeting of the Proprietors of the Sheffield
Literary and Philosophical Society, held at the Cutlers-
Hall, on Friday, January 2, 1884,*

Dr. KNIGHT IN THE CHAIR;

It was resolved,

AFTER the preceding Report had been read, that the same be
ted,

Resolved, That the thanks of the Society be given to
Dr. KNIGHT, for the very able manner in which he has conducted
himself during the last year, as President of the Society.

Resolved, That the thanks of the Society be given to the
Secretaries, Curator, and Treasurer, for their services during the
past year, and that they be requested to hold their offices for another
year.

Resolved, That the thanks of the Society be given to the
Council of the past year.

Resolved, That the thanks of the Society be given to the
Rev. Dr. PHILIPPS, **Mr. MONTGOMERY**, and **Mr. ABRAHAM**,
for their services in delivering Public Lectures to the Society during
the last year.

Resolved, That the thanks of the Society be given to the
Donors to the Library and Museum.

ARNOLD KNIGHT, CHAIRMAN.

REPORT OF THE SECRETARIES FOR 1823.

LECTURES

DELIVERED BEFORE THE SOCIETY.

- Feb. 21. *Mr. Montgomery.*—A Sketch of the History of Literature from the earliest ages to the close of the 12th century.
- March 21. *The Rev. Dr. Philipps.*—On the Mathematical Sciences in connection with Mechanics.
- April 18. *The Rev. Dr. Philipps.*—A 2d Lecture in continuation.
- May 16. *The Rev. Dr. Philipps.*—A 3d Lecture in continuation.
- June 27. *Mr. Abraham, F.S.A.*—On Magnetism.
- Oct. & Nov. *Mr. J. Webster.*—A course of Twelve Lectures on the Chemical and Mechanical principles of Nature.
- Dec. 12. *Mr. Montgomery.*—On Modern English Literature.
-

PAPERS, &c.

READ AND DELIVERED BEFORE THE PROPRIETORS.

- March 7. *Rev H. H. Piper.*—On the effects of Education on Literary Pursuits.
- April 4. *Dr. Knight.*—On the peculiar objects presented by an Investigation to this Society in the town and neighbourhood of Sheffield.
- May 2. *Mr. Wm. Jackson.*—On a Skeleton and Skull lately discovered near Bolsterstone.
- June 6. *Mr. Edward Barker.*—On the best method of conducting our Geological Researches, and forming and arranging a Cabinet of Minerals.
- June 6. *Rev. J. Everett.*—On some Roman Coins found at Crooksmoor.
- July 4. *Mr. Coldwell.*—Some general remarks on the State of Geology.

- August 1. *Mr. S. Bailey.*—On the mutual Relations amongst the different Sciences, and the light which they reciprocally afford.
- October 3. *Mr. Coldwell.*—On the Throws and Distractions in the Coal Stratum, and on the Waterproof Stratum.
- Nov. 7. *Mr. Montgomery.*—On the possibility of one Science attaining to a degree of Perfection while all the rest are disproportionately depressed.
- Dec. 5. *Mr. J. Wainwright.*—On the Subterranean Forest on Hatfield Chace, in the County of York.

BOOKS PRESENTED TO THE SOCIETY.

- | | | |
|---|---|--|
| Specimens of the Russian Poets,
translated by J. Bowring, Esq.,
F.L.S., 2 vols. | } | <i>Presented by J. Bowring,
Esq. the Author.</i> |
| Matins and Vespers, by J. Bowring, | | |
| Lucian's Dialogues, 2 vols. 4to.,
translated by W. Tooke, Esq. | } | <i>W. Tooke, Esq. Gray's Inn.</i> |
| A Selection of the Correspondence
of Linnæus and other Naturalists,
by Sir J. E. Smith, 2 vols. | | |
| Bakewell's Introduction to Minera-
logy | } | <i>Mr. L. Palfreyman.</i> |
| Catalogue and Arrangement of the
Museum of Natural History of
the Dublin Society | | |
| Virgil, 2 vols. 4to., Masvicius, | } | <i>A. Lincoln, Esq.</i> |
| Boisgelin's Travels in the North of
Europe, 2 vols. 4to. | | |
| Accum's Crystallography, 8vo. | } | <i>Mr. J. H. Abraham, F.S.A.</i> |
| | | |

DONATIONS TO THE MUSEUM.

- | | | |
|---|---|------------------------------|
| A small Collection of Ancient Sepulchral Remains found in Derbyshire, | } | <i>Mr. S. Mitchell, jun.</i> |
| | | |

Several Specimens of American Minerals,	}	<i>Mr. Hodgson, jun.</i>
A Collection of Derbyshire Minerals,		<i>Mrs. Daniels.</i>

PURCHASED.

A Collection of Minerals, containing about 160 Specimens
 Cornwall and Devonshire.
 A Dipping Needle.
 Magnetometer.
 A set of Pulleys and inclined Plane.

BOOKS PURCHASED.

Philosophical Transactions, 18 vols. 4to.
 Withering's Botany, 4 vols.
 Kirby and Spence's Entomology, 2 vols.

OFFICERS.

1823.

PRESIDENT—DR. KNIGHT.

VICE-PRESIDENTS—REV. T. COTTERILL, J. MONTGOMERY,
T. A. WARD, S. BAILEY.

TREASURER — OFFLEY SHORE.

SECRETARIES—T. WATERHOUSE, LUKE PALFREYMAN.

CURATOR—W. JACKSON.

COUNCIL — J. H. ABRAHAM, E. BARKER, M. ELLISON,
W. JEFFCOCK, W. LUCAS, H. OVEREND, DR. PHILIPPS,
REV. H. H. PIPER, JAS. RAY, J. TODD, B. J. WAKE,
REV. P. WRIGHT.

1824.

PRESIDENT—J. MONTGOMERY.

VICE-PRESIDENTS—DR. KNIGHT, DR. PHILIPPS, T. A. WARD,
S. BAILEY.

TREASURER—OFFLEY SHORE.

SECRETARIES—T. WATERHOUSE, LUKE PALFREYMAN.

CURATOR—W. JACKSON.

COUNCIL — J. H. ABRAHAM, C. APPLEBY, E. BARKER,
J. EVERETT, S. LUCAS, SEN., W. LUCAS, S. MITCHELL,
H. OVEREND, JAMES RAY, REV. T. SMITH, R. YOUNGE,
J. WAINWRIGHT.

PROPRIETORS.

The Right Honourable LORD MILTON.

Abraham, J. H.
Abrahams, G.
Aldam, T.
Appleby, C.

Bailey, S.
Barker, E.
Bishop, E.
Blackwell, Josh.
Blackwell, J.
Bramhall, J. S.
Branson, T.
Brookfield, C.
Brownell, P.

Cam, jun. J.
Coldwell, Wm.
Crawshaw, J.

Deakin, Thos.
Dixon, J. H.
Dixon, W. F.
Drury, R.
Dunn, T.

Ellison, M.
Elmhirst, T.
Emerson, R.
Everett, Jas.
Eyre, E.

Falconar, J., *Rotherham*
Favell, W.

Gillatt, John.

Harder, J. H.
Hardy, J.
Harwood, S.
Hadfield, R.
Heppenstall, .
Heppenstall, .
Holy, T. B.
Holland, R. C.
Hudson, Jos.

Ibbotson, W.
Ibbotson, H.

Jeffcock, Wm.
Jackson, Wm.
Jobson, R.

Knight, Dr.
Laycock, J.
Lhuillier, M.
Longden, H., jr.
Lowe, Rev. J.
Lucas, S., sen.
Lucas, W.

Michaelson, M.
Mitchell, S., jun.
Montgomery, J.

Naylor, G., jun.
Newbould, W.

Oakes, J.
Overend, H.

Parker, Hugh
 Palfreyman, L.
 Pashley, R.
 Peech, S.
 Philipps, Dr.
 Piper, Rev. H. H.

Ray, Jas.
 Ray, Jno.
 Read, Joseph
 Read, John
 Ridge, G.
 Rimington, Jas.
 Rodgers, R.
 Rodgers, J.
 Roberts, S., jun.

Shore, Saml.
 Shore, O.
 Smith, Rev. T.
 Smith, Albt.
 Smith, Edward
 Staniforth, J.
 Sykes, Jno.
 Sanderson, Chas.

Tate, W.
 Thomas, Robt.
 Thompson, W.
 Todd, J.
 Tuckét, G.

Unwin, Joseph

Wainwright, J.
 Wake, B. J.
 Walker, W. H.
 Waterhouse, T.
 Ward, T. A.
 Ward, J.
 Watson, W.
 Watson, J., jun.
 Wilson, James
 Wilson, Joseph, jun.
 Wright, Rev. P.
 Wright, J. F.

Younge, Geo.
 Younge, Robt.

SUBSCRIBERS.

Atkinson, —

Bayley, R., jun.
 Brady, Miss M.
 Broadhead, J.
 Brown, J.

Cooper, T.
 Cowley, Josh.
 Cutts, J. P.

Dawson, J.

Ernest, Dr.

Favell, J.
 Frith, Miss
 Frith, J.
 Froggatt, C.

Gainsford, R.

Green, Miss
Groves, Samuel

Harrison, Miss
Hall, Rev. F.
Hall, John
Hawksley, Joshua

Johnson, James
Jones, John

Kirkby, Samuel
Knowles, —

Law, W.
Lee, Joseph
Lothouse, J.

Mather, Rev. J.
Marsh, John
Mitchell, Isaac

Nanson, Edward
Newton, John
Naylor, R.
Naylor, C.

Parker, Wm.
Pearson, J. E.

Rawson, T. *Wardsend*
Rawson, F. W.
Roberts, S., sen.
Rhodes, E.
Rodgers, Joseph
Rogers, R.

Sanderson, Thomas
Sanderson, Miss
Sargant, J.

Saunders, W.
Shephard, J.
Skidmore, B.
Smith, J. *Ar*
Smith, Mrs.
Smith, S. H.
Smith, W.
Smith, J. *Pel*
Smith, U.
Spurr, E.
Spencer, T.
Sorby, Robt.
Stanley, R.
Streetfield J.

Thorpe, —
Thomas, Jno.
Thompson, —
Twigg, W.

Vaughan, —

Walker, Miss,
Watson, Thos.
Wahast, M.
Wild, J.
Wilson, Edm.
Willey, T.
Woollen, R., ju
White, F.
Wilkinson, Hen
Wragg, G.
Webster, J.
Worrall, T.
Woffindin, —
Wilkinson, W. *L*
Warburtón, W.

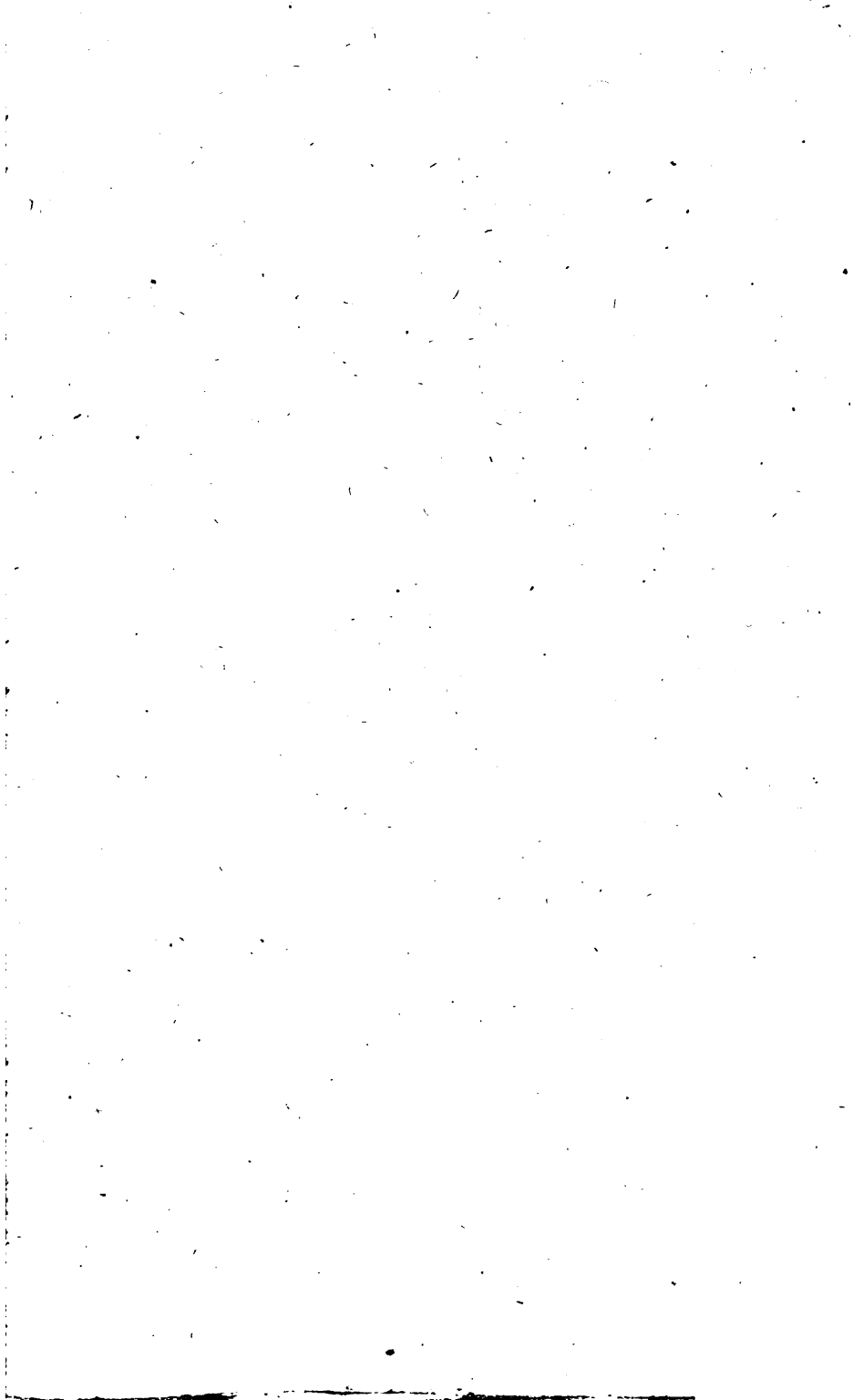
Younge, S.
Younge, C.

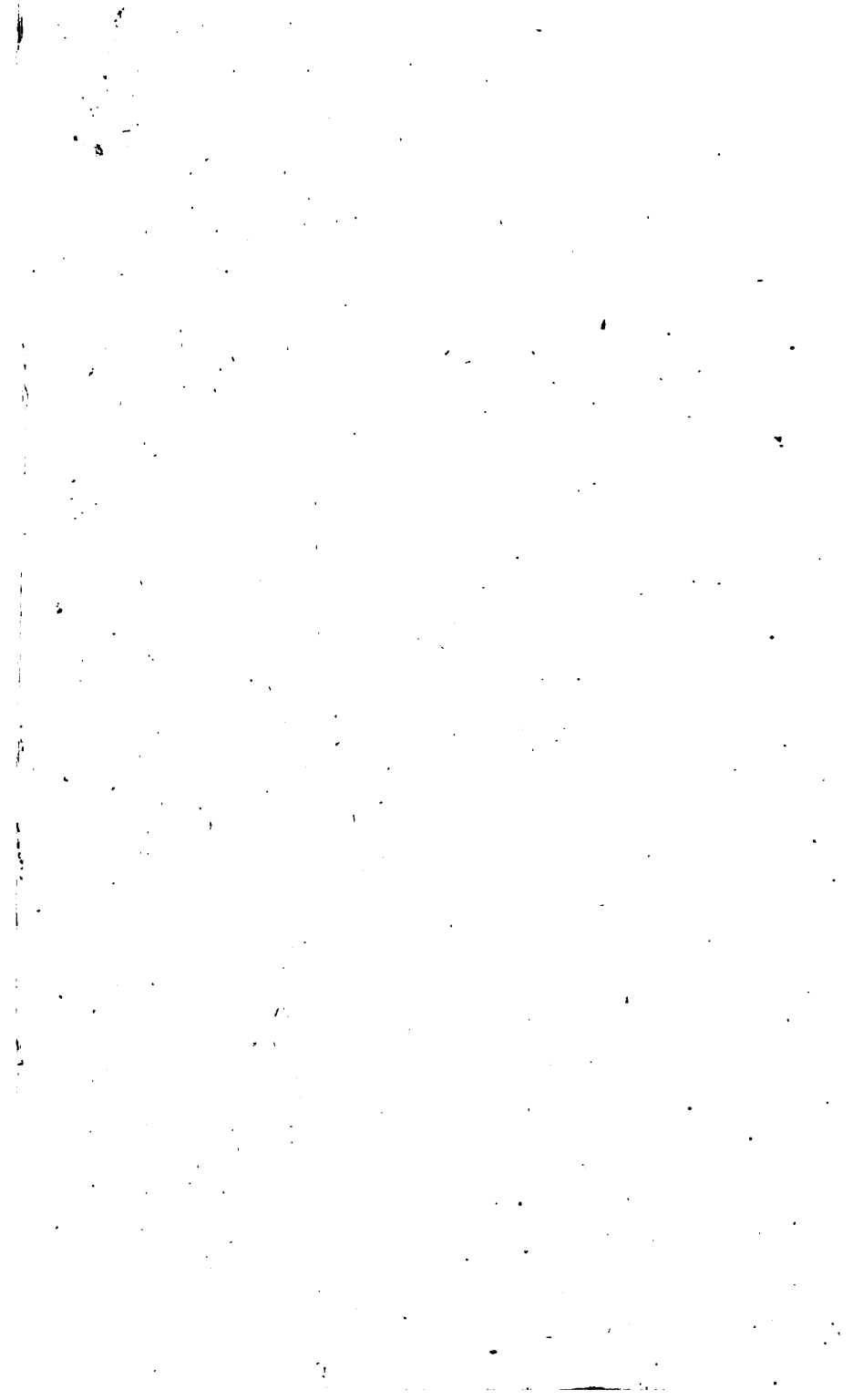
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Sir J. E. Smith, P.L.S.
 Rev. J. Hunter
 F. Chantrey, Esq.
 Mr. Sylvester
 Mr. Murray
 Mr. Dalton

Rev. A. Rees, LL.D.
 W. Tooke, Esq.
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 M. Scatcherd, Esq.
 A. Lincoln, Esq.





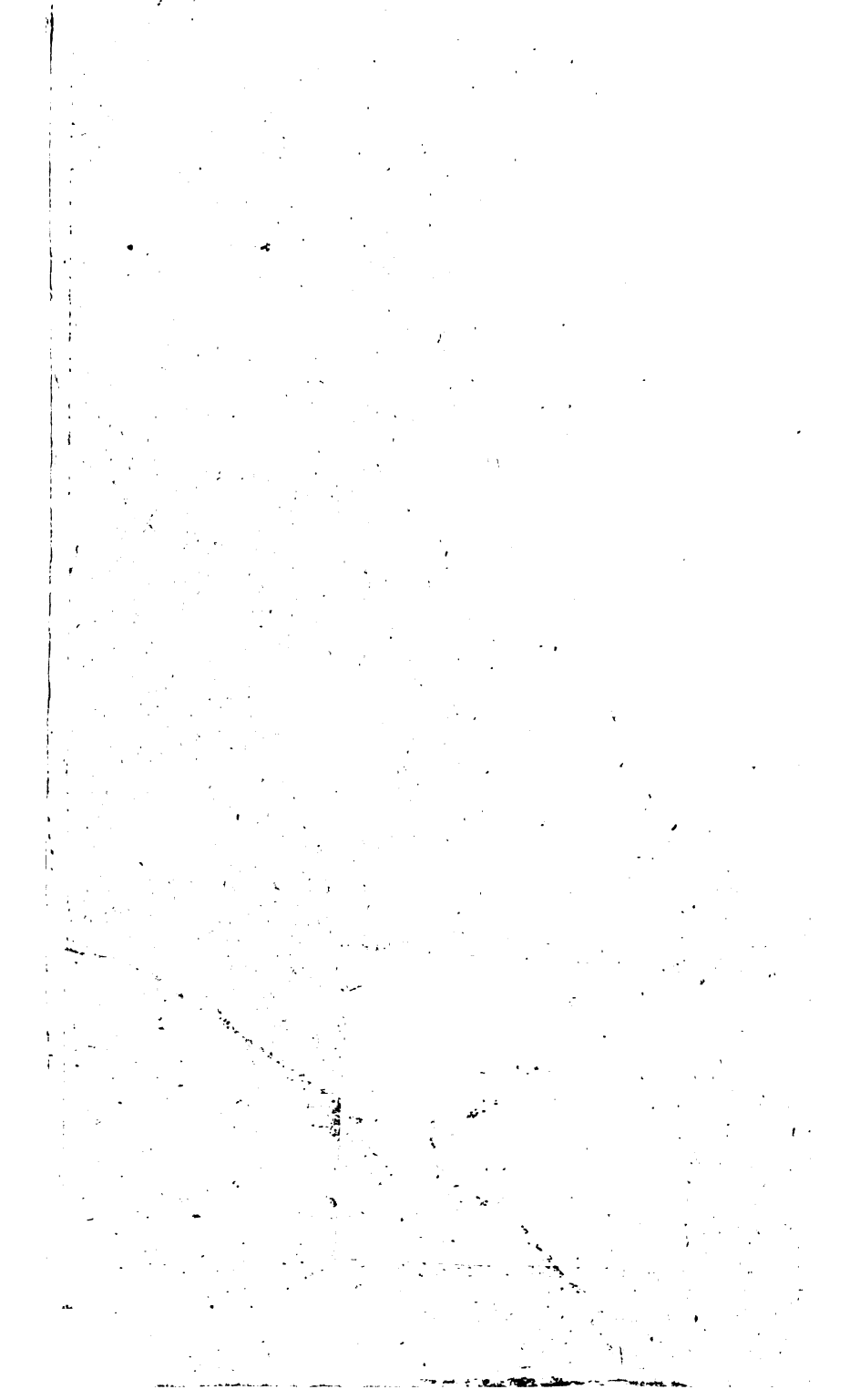


THE
SECOND ANNUAL REPORT
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DELIVERED AT THE ANNUAL MEETING, JAN. 5, 1825.

SHEFFIELD:
PRINTED BY WILLIAM TOLSON, AT THE MERCURY OFFICE.

1825



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1825.

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SECOND REPORT, &c.



The close of the Second Session of the Sheffield Literary and Philosophical Society, imposes on the Council the duty of submitting to the Proprietors at large a Report of its past proceedings and its present state. The Report presented to the last Annual Meeting, began by congratulating the Society on its prosperous condition ; and the Council are happy to think, that the circumstances of the Institution, at this time, fully warrant them in holding the same language. The interest which the Society originally awakened (if any thing may be inferred from an accession of numerical strength) has suffered no abatement. Both the Proprietors and Subscribers are augmented in numbers. In 1823, the Proprietors amounted to 97, they are now 104 : in the former year, the Subscribers were 82 ; during the past year, they have been 102 ; the increase of Proprietors being 7, and that of Subscribers 20. As this statement shews that the Society has gained in the number of its supporters, so the transactions of the last twelvemonths attest that there has been no defalcation in its literary resources. Instead of the prescribed number of eight Lectures, the Council have been enabled, during the past year, to furnish the Society with

nine ; and although, as personally concerned in the delivery of some of these Lectures, it is not for them to pronounce opinion on their merits, they may venture to say, that the subjects have been at once varied, interesting, and instructive. They cannot refrain also from expressing their obligations to Dr. Williamson, of Leeds, and Dr. Overend, of London, for their assistance in this department of the Institution ; the former, for an able dissertation on the Influence of Locke's Philosophy ; to the latter, for a course of Four Lectures on Phrenology, illustrated by an ample collection of casts and skulls, and furnishing the Members of the Society with a full and luminous exposition of a subject respecting which, whatever opinions may be entertained of its truth, no one of liberal curiosity can feel altogether uninterested—especially since it has aspired to take its place amongst the regular sciences, and has influenced men of education and talents to form themselves into Societies for the investigation and promulgation of its principles. Under these circumstances, the Council were happy to avail themselves of such an opportunity of introducing the subject to the attention of the Society.

The valuable services of the gentlemen to whom these acknowledgments have been paid, rendered it unnecessary for the Council to exercise the power given to them of engaging any Lecturers at the Society's expense : although had any eligible opportunity presented itself of contributing in this way to the gratification of the Members, they should not have neglected to embrace it.

While the Council feel gratified by the manner in which this part of the Institution has been supported by Subscribers on the one hand, and Lecturers on the other, they can advert with equal satisfaction to the proceedings of the Monthly Meetings. The supply of literary and scientific papers has been more abundant, they are happy to say, than last year ; not, they venture to hope, from a mere temporary affluence, but from the growing interest felt by men of liberal attainments, in communicating the knowledge which they have acquired, and freely discussing the principles of science.

From the enumeration of papers which will accompany the present Report, it will be seen, that the subjects of discussion have been extremely varied. The immediate object of such a Society as ours', is necessarily less the advancement than the diffusion of science ; less the extension of its limits than the enlargement of the views of the Members over the ground already defined. Variety of subjects, therefore, is a desirable, if not an indispensable, feature of its transactions ; and so far from the diversity which marks the proceedings of the past year being objectionable, it may be considered as directly tending to the end and object of the Institution.

On this subject, it may be proper to add, that copies of most of the papers read at the Monthly Meetings have been presented to the Society, and will appear in their due place in its records.

From the want of proper rooms and places of deposit,

the Council have not been particularly solicitous to the purchase of Scientific Instruments and Natural cimens. They may mention, however, that they have received the Electrical Apparatus ordered by the Council of former year ; and an Air Pump, with its Appendage now on its way from London. When the Society is established in the Rooms engaged for its use at the M Hall, and which are now nearly ready for its reception may be confidently expected, that a greater degree of attention than has hitherto been practicable, will be given to Experimental Science, as well as to the different branches of Natural History ; and that those Members whose investigations have been directed to these subjects, will do all in their power to promote the common object of the Society, by a free communication of their knowledge.

Some advances have already been made in collecting the Plants and Insects of the Neighbourhood, in which task the Council have availed themselves of the services of some of their townsmen in humble life, mentioned in the former Report, whose ingenuity deserves encouragement, and who are still proceeding in their labours.

The Council are happy to add, that they have been laid under many agreeable obligations by presents from the friends of the Society, to the Library and Museum. These will be enumerated in the Appendix to this Report, and will, no doubt, be met by the gratitude of the present Meeting. As the Society will now soon be settled in apartments of its own, and be able to make acquisitions of this kind more

useful than they have hitherto been, it is hoped that such contributions will be multiplied by the liberality of its well-wishers.

Having made this brief exposition of the affairs of the Institution, the Council have nothing to do but to resign their trust into the hands of their constituents, with the hope that neither the objects nor the interests of the Society will be found to have been neglected during their management. They are gratified to think, that there is a rational prospect of its utility being extended and perpetuated. The spirit of the times is evidently favourable to such institutions ; as the Societies every where springing up around us abundantly testify. The present is emphatically the age of improvement, and of improvement by union of efforts. Mankind have found out the secret of evolving great general results from the combination of individually unimportant means. The owner of a princely fortune, the territorial proprietor, the despotic ruler of a rich country, is not now the exclusive agent in great undertakings. Bridges, roads, canals, public edifices, —all the improvements which contribute in a grand scale to the ease and enjoyment of mankind, once the enterprises only of rank and authority, are now accomplished by the union of comparatively humble individuals. It is the same with scientific and literary institutions. They are at present established and supported by similar means ; they require only similar co-operation. The powerful apparatus which enabled Sir Humphrey Davy to astonish and benefit the age by new views of nature, was the property of an association of private persons ; and it would be scarcely too much to

say, that his discoveries were not more truly the result of a grand combination of galvanic forces, which would have been separately unavailing, than of moral and pecuniary means, which were indebted to their union alone for their efficiency. Thus Science emancipates itself from the patronage of power, and is promoted and diffused by the voluntary efforts of free associations.

TREASURER'S ACCOUNTS,

AT THE CLOSE OF THE SESSION, 1824.

RECEIPTS.			DISBURSEMENTS.		
	£	s. d.		£	s. d.
To Balance of last year...	350	2 5½	Apparatus.....	31	16 0
To Interest.....	8	18 3	Mineralogical, Botanical, and Entomological Specimens.....	11	2 0
To Annual Subscriptions and Entrances for 1824	344	8 0	Rent of Rooms, Expenses of fitting up for Lectures, Printing and other Expenses, being the Annual Expenditure of the Society.....	106	11 0
			Balance in hand.....	553	19 8½
				£703	8 8½

RESOLUTIONS.

At the Annual Meeting of the Proprietors of the Sheffield Philosophical Society, held at the Cutlers'-Hall, on Friday, 1825,

Mr. MONTGOMERY IN THE CHAIR.

It was resolved,

AFTER the preceding Report had been read, that the same be printed.

Resolved, That the thanks of the Society be given to **Mr. MONTGOMERY** for the very able manner in which he has conducted himself, during the year, as President of the Society.

Resolved, That the thanks of the Society be given to the Secretary, Curator, and Treasurer, for their services during the past year, and that they be requested to hold their offices for another year.

Resolved, That the thanks of the Society be given to the Council for the past year.

Resolved, That the thanks of the Society be given to those Gentlemen who have delivered Public Lectures to the Society during the last year.

Resolved, That the thanks of the Society be given to those Gentlemen who have read Essays or Papers at the General Meetings.

Resolved, That the thanks of the Society be given to the Donors to the Library and Museum.

JAMES MONTGOMERY, Chairman.

REPORT OF THE SECRETARIES.

FOR 1824.

LECTURES

DELIVERED BEFORE THE SOCIETY.

- March 9. Mr. ABRAHAM, F.S.A.—A Second Lecture on Magnetism.
 April 6. J. WILLIAMSON, M.D. (*of Leeds*).—On the Influence of Lord Bacon's Philosophical Speculations, in promoting the advancement of experimental Science.
 April 30. Rev. T. SMITH.—On the Progress of Knowledge.
 July 27. Mr. MONTGOMERY.—On the Life and Writings of Cowper.
 Aug. 24, 27, } J. OVEREND, M.D.—Four Lectures on Phrenology.
 31, & Sept. 3. }
 Nov. 18. A. KNIGHT, M.D.—On the Animal Economy, with a reference to the Preservation of Health.

PAPERS, &c.

READ AND DELIVERED BEFORE THE PROPRIETORS.

- Feb. 6. Mr. MONTGOMERY.—An Essay on Meteoric Stones.
 March 5. Mr. T. A. WARD.—On the State of the Lower Classes in Europe, with respect to Pauperism.
 April 2. Dr. KNIGHT.—On the Anatomy and Physiology of the Ear, illustrated with Drawings and Anatomical Preparations.
 Mr. J. H. ABRAHAM, F.S.A.—On a recent Invention, for extracting Iron Specula from the Eyes of Workmen employed in Die Sinking.
 May 7. Mr. J. TODD.—On Self Love.
 June 4. Mr. WATERHOUSE.—An Essay on the Eye, illustrated by Drawings and Anatomical Preparations.
 July 2. Mr. COLDWELL.—On the Courses of Rivers.
 August 6. Rev. H. H. PIPER.—On the newly discovered Treatise by Cicero—*De Republica*.
 Mr. W. JACKSON.—On a Case of Foetal Malformation, with remarks in connection with the Case on the Anatomy and Physiology of the Nervous System.
 October 2. Rev. H. H. PIPER.—On the Peculiarities of the Dialect of Sheffield and its Neighbourhood.
 Nov. 5. Mr. JAMES RAY.—An Essay on the Nature of Light.
 Mr. SAMUEL MITCHELL, JUN.—On the Druidical Remains at Arbour Low, in Derbyshire.
 Dec. 3. Mr. C. APPELEY.—On Self Love.

DONATIONS TO THE MUSEUM.

A Collection of Minerals.
 An Instrument for extracting Iron Specula from the Eye.
 A Prize Poem in the Eloo, or Ancient Language of Ceylon, written on the leaves of the Talipot Tree.
 A Collection of Shells, 1 Chama Gigas, 1 Murex Aruanus, 1 Voluta Ampla.
 Two Boxes of Curiosities from Otaheite, consisting of War Instruments, Dresses, Musical Instruments, &c.
 A Collection of Minerals from Mont Blanc.
 A Collection of Shells.
 Model of Instrument for Dry Grinders.
 Some Geological Remains from Kirkdale.
 A small Collection of Roman Coins.

SIR FRANCIS DARWIN.

Mr. J. H. ABRAHAM.

Rev. R. CLOUGH, Ceylon,
 sented through Mr. JAS. RA

A. LINCOLNE, Esq.

Received from Mr. GEORGE B
 NETT, and presented by 1
 MONTGOMERY.

JAMES RIMINGTON, Esq.

Mr. GILLATT, Scarborough.
 Mr. THOMASON, Birmingham.

Rev. F. WEANGHAM.

Mr. S. MITCHELL, JUN.

DONATIONS TO THE LIBRARY.

Miscellaneous Works of the Rev. J. Plumtree, 11 vols.
 Catalogue of the Library of the Edinburgh School of Arts.
 First and Second Reports of Ditto.
 Sir H. Davy on Agricultural Chemistry.
 History of Hallamshire.
 Rules and Report of the York Society.
 Ditto. Ditto.
 A Treatise on Digestion and Diet.
 An Account of Edystone Lighthouse, by Smeaton, Royal folio.
 Carr, on the Management of Fruit Trees.
 Atkinson's Compendium of Ornithology.
 Introductory Address to the Leeds Society, by Mr. Thackrah.
 Rules and Reports of the Leeds Society.

Rev. J. PLUMTREE, the Author

Mr. ROBERT YOUNGE.

Rev. J. HUNTER, the Author.
 Mr. J. H. ABRAHAM.
 YORK SOCIETY.

By C. T. THACKRAH, Esq. of
 Leeds, the Author.

Mr. EDWARD SMITH.

Mr. ATKINSON, of Leeds, and pre-
 sented by Mr. H. OVEREND.

PURCHASED FOR THE SOCIETY.

Collection of Insects of the Neighbourhood.

Arrangement of Plants of the Neighbourhood.

Several Specimens of Minerals from Derbyshire, Cornwall, &c.

Electrical Machine, 24 inch plate, by Bancks, with Jars, Battery, &c.

Air Pump, with accompanying Apparatus, by Bancks.

OFFICERS.

—♦♦♦—

1825.

PRESIDENT—Rev. N. PHILIPPS, D.D.

VICE-PRESIDENTS—Dr. Knight, J. Montgomery, T. A. Ward, S. Bailey.

TREASURER—Offley Shore.

SECRETARIES—T. Waterhouse, Luke Palfreyman.

CURATOR—W. Jackson.

COUNCIL—J. H. Abraham, C. Appleby, E. Barker, J. Everett, S. Mitchell, jun. Rev. H. H. Piper, James Ray, Dr. Timm,

J. Todd, Dr. Williams, J. Wainwright, R. Younge.

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Appleby, C.

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Barker, E.
Bishop, E.
Blackwell, Josh.
Blackwell, J.
Bramhall, J. S.
Branson, T.
Brookfield, C.
Brownell, P.

Cam, jun. J.
Coldwell, Wm.
Crawshaw, J.

Deakin, Thomas
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Dixon, W. F.
Drury, R.
Dunn, T.

Ellison, M.
Elmhirst, T.
Emerson, R.
Everett, James
Eyre, E.

Gillatt, Jon.

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Hardy, J.
Harwood, S.
Hadfield, Robert
Heppenstall, J.
Heppenstall, P.
Holy, T. B.
Holland, R. G.
Ibbotson, W.
Ibbotson, H.

Jeffcock, William
Jackson, Wm.
Jobson, R.

Knight, Dr.

Laycock, J.
Lhuillier, M.
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Lucas, S. sen.
Lucas, W.

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Parker, Hugh
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Pashley, R.
Peech, S.
Phillips, Rev. Dr.
Piper, Rev. H. H.

Rawson, W.
Ray, James
Ray, Jno.
Read, Joseph
Read, John
Reedall, G.
Ridge, G.
Rimington, James
Rodgers, R.
Rodgers, J.
Roberts, S. jun.

Shore, Samuel
 Shore, O.
 Smith, Rev. T.
 Smith, Albert
 Smith, Edward
 Staniforth, J.
 Sykes, John
 Sanderson, Charles
 Stirling, T.

Tate, W.
 Thomas, Robert
 Thompson, W.
 Todd, J.
 Tucker, G.

Unwin, Joseph

Wainwright, J.
 Wake, B. J.
 Walker, W. H.
 Waterhouse, T.
 Ward, T. A.
 Ward, J.
 Watson, W.
 Watson, J. jun.
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 Williams, Dr.
 Wilson, James
 Wilson, Joseph, jun.
 Wright, Rev. P.
 Wright, J. F.

Younge, George
 Younge, Robert

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Cooper, T.
 Cowley, Josh.
 Cutts, J. P.
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Ernest, Dr.

Favell, J.
 Frith, Miss
 Frith, J.
 Frith, Josh.
 Froggatt, C.

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 Goepel, —
 Green, Miss
 Groves, Samuel
 Griffiths, —

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 Hall, Rev. F. *Greasbrough*
 Hall, John
 Hawkaley, Joshua
 Heighington, G.
 Hodgson, T.
 Hounsfield, B.

Jeffcock, J.
 Johnson, James
 Jones, John

King, T.
 Kirkby, Samuel
 Knowles, —

Law, W.

Lee, Joseph
Lothhouse, J.

Marsh, John
Mather, Rev. J.
Mitchell, Isaac

Nanson, Edward
Naylor, R.
Naylor, C.
Newton, John

Parker, William
Parkin, H.
Pearson, J. E.
Pearson, T. jun.

Rawson, T. *Wardend*
Rawson, F. W.
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Rodgers, Joseph
Rogers, R.

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Sanderson, Miss
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Settle, J.
Saunders, W. H.
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Skidmore, B.
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Smith, Mrs. *Carr-Wood*
Smith, S. H.
Smith, T.
Smith, W.

Smith, J. *Pea*
Smith, U.
Spurr, E.
Spencer, T.
Sorby, Robert
Stanley, R.
Streetfield, J.

Taylor, —
Thorpe, —
Thomas, John
Thompson, —
Twigg, W.

Vale, Rev. W. H.
Vaughan, —

Ward, J.
Ward, Rev. S. B.
Waterhouse, T.
Watson, Thomas
Wahast, M.
Wild, J.
Wilson, Edmund
Willey, T.
Woollen, R. jun.
White, F.
Wragg, G.
Webster, J.
Worrall, T.
Woffindin, —
Wilkinson, W. *Broom*
Warburton, W.

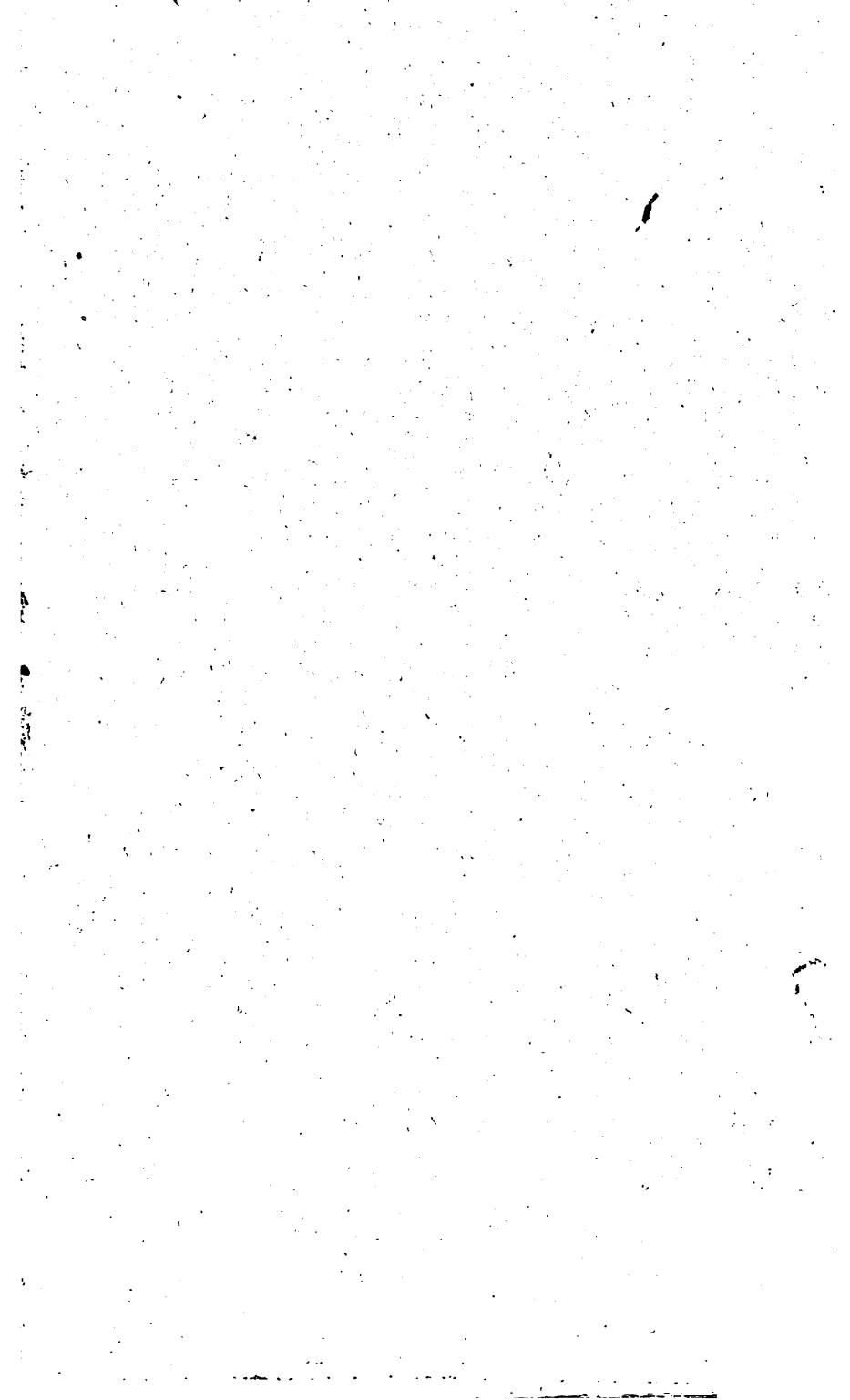
Younge, S.
Younge, C.

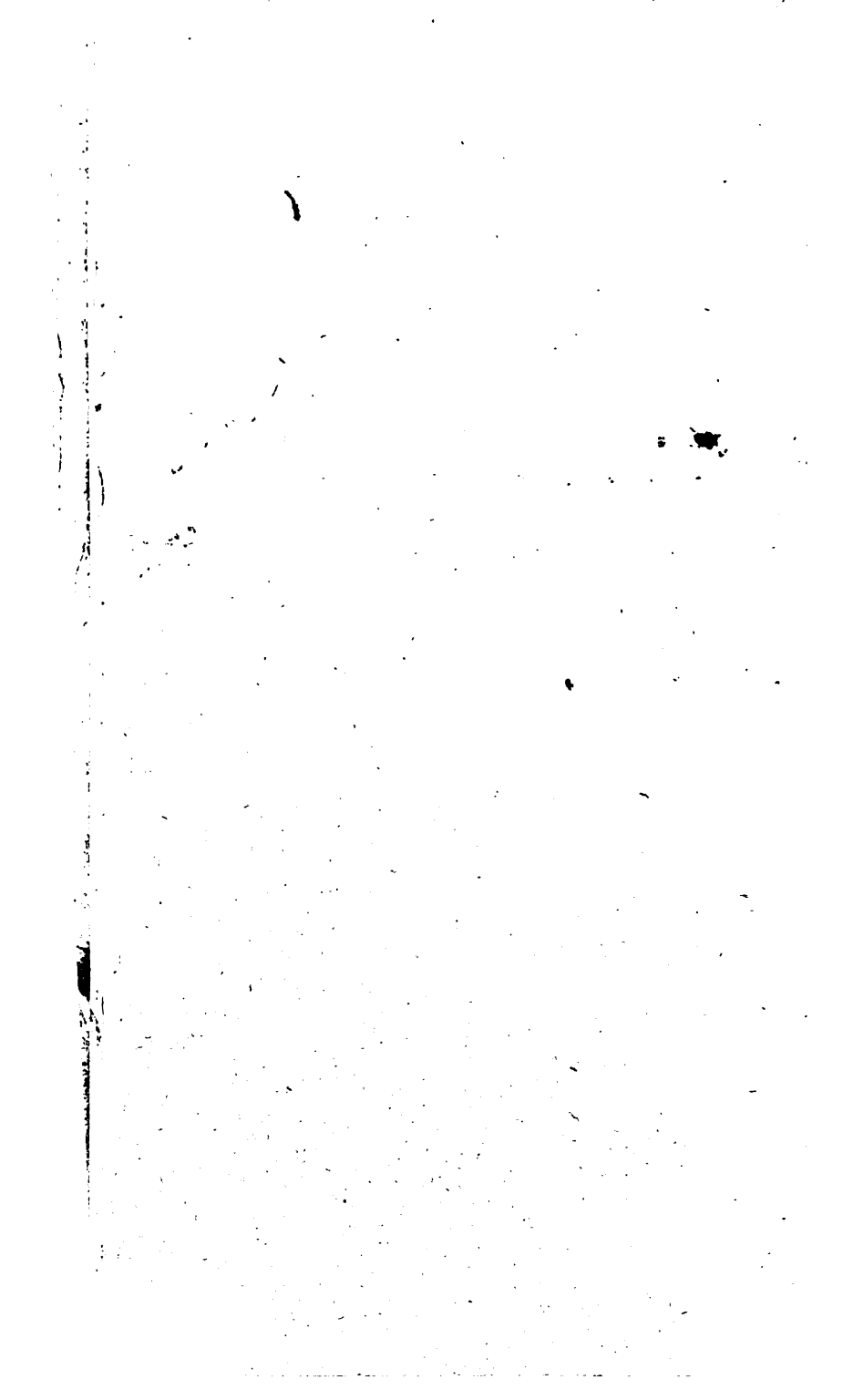
HONORARY MEMBERS.

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F. Chantrey, Esq.
Mr. Sylvester
Mr. Murray
Mr. Dalton
Rev. A. Rees, L.L.D.

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A. Lincoln, Esq.
Rev. J. Plumtree
J. Overend, M.D.
J. Williamson, M.D.

W. Todd, Printer, Sheffield.





THE
Third Annual Report
OF THE
SHEFFIELD
LITERARY AND PHILOSOPHICAL
SOCIETY.

DELIVERED AT THE ANNUAL MEETING, JANUARY 6, 1826.

SHEFFIELD:
PRINTED BY J. BLACKWELL, IRIS OFFICE, HIGH STREET.

1826.

Sec. 374 e. $\frac{126}{3}$

1917

THIRD REPORT, &c.

It is with great pleasure and satisfaction, that the Council of the Literary and Philosophical Society of Sheffield, present to their Constituents, a Third Report of its transactions and increasing prosperity.

The friends of Literature were not in vain congratulated upon its first establishment—they were not in vain encouraged to give to it, and continue their support—they were not in vain assured that they might look with an eye of moral certainty for its success—their expectations have been fulfilled—the progress and character of the Institution have, in truth, far exceeded their hopes, and equalled their most ardent wishes.

Since our last Anniversary the number of the proprietors has increased. In 1824, the amount was 104—this year it is 112. The same may be said of the subscribers, and to a greater extent—for, the number last year was 102, whereas, in the present year, it has ad-

vanced to 165. This increase in our numerical strength while it affords a gratifying proof of the high regard which our Society is held, has encouraged your Council to bring a variety of subjects before you for discussion which will, they trust, appear in all respects to be consistent with the views of the Society, and that honorable title under which it is embodied.

The Council is pledged by the Constitution of the Society, to furnish eight public Lectures; but this, as was the case, indeed, in the last, the number has exceeded, for it was their wish to go beyond, rather than fall short, of their engagement, or to limit themselves literally to its extent. Four Lectures have been delivered to the proprietors and subscribers at large, by members of the Council. The first, by the Rev. H. H. Piper, on Dialect peculiar to Sheffield and the adjoining districts; the second, by Mr. Abraham, on Pneumatics; and the two last, by Dr. Williams, on the connexion subsisting between the Vegetable and the Animal Kingdoms. In addition to these, we have to mention those on Geology by Mr. Smith and Mr. Phillips, which could not fail to be highly interesting to a Sheffield audience, and the inhabitants of Hallamshire, a district which presents a considerable variety of soil, many fossils and minerals, and which borders on a county where they are found in great abundance. The Literary and Philosophical, to which we may add, Anatomical communications, presented at the monthly meetings of your Society, it is our duty to mention, but not to eulogize. They were the production of our own Body. But we may be permitted

to say, that they were, all of them, whether *con-*
 with the Belles Lettres, or Physiology, founded on
 subjects highly interesting and important, and, we tru
 not unworthy of the place which has been assigned
 by the Society, in the record of its transactions; of
 we regret to say, that full justice cannot be done to
 in that Register, on account of the Illustrations
experimental nature which accompanied them, and
 can only be described in *notes*, or by figures. We
 particularly to those on the Circulation of the Blood
 Mr. Ray, surgeon; on the Skin, by Dr. William
 Digestion, by Dr. Knight; and that on Electricity
 Galvanism, and their connexion in Electro-Magne
 by Mr. Robert Younge. A list of the Papers and
 Lectures will be found in the Report of your Secret

When the last *general Report* was laid before
 it was stated that the Council, in consequence of
 wanting proper rooms and places of deposit, had not
 particularly solicitous to hasten the purchase of scien
 instruments and natural specimens, but that some
 expected, which would remain under the charge of
 Curator, till the room in the Music Hall, which the
 ciety had engaged, should be got ready for their re
 tion. It is in this room that we are now assembled,
 it must afford an high gratification to the Society, to
 its Museum already furnished with a variety of sp
 mens from the Animal, the Fossil, and the Mineral k
 doms, as well as many of Art and Antiquity, of consi
 able value, which are in a state of arrangement, in t
 respective orders. Some important additions have

made to it by collections in the neighbourhood by presents, and we cannot but cherish the hope, among the able friends of literature and philosophy whom we are connected, will give us still furtherance, for the enlargement of our Museum and in works of science, and additional specimens, w nature on of art. It is proper that you should be ed, that some valuable instruments, adapted to phical illustration and experiment, have been rec addition to the apparatus which was ordered year; and it is hoped that the proposal for the of a Laboratory, may soon be carried into effect purpose of chemical process and experiment, a liberal and enlarged scale, which your society v encourage and recommend, as promising the great improvement and success. The funds of our Soc be found; according to the statement of the Tr which will be laid before you, to be in a very pre condition; for, notwithstanding the heavy expense dant on the fitting up and lighting the rooms, the in our favour this year is nearly equal to that of t

We cannot close this report, without again c tulating you (as we do ourselves at the same time the highly favourable state of your Society. J from the past, we may confidently calculate upon ture. In Sheffield and its vicinity, literature an losophy have, for many years, neither wanted an c tation nor a name;" but their influence has been and confined, and, in some cases, as respected the dual, secret and concealed; so that the spring h

remained unknown, from which a fertilizing stream has issued. In other cases, the fountain has been shut up, and the well closed. But public associations, like that to which we belong, elicit genius, encourage talent, unveil the face of modest confidence, draw hidden faculties from their obscurity, bring them forward into action, and combine them together, like the solar beams, into one focus of light and power, to diverge, and extend themselves in every direction, for the benefit of mankind. These are their noblest effects, while they largely contribute to the improvement and happiness of man, *individually contemplated*, in every stage of his existence on earth. We may justly apply to them the words of the Roman Orator—"Hæc studia, adolocentiam alunt, senectutem oblectant, secundas res ornant, adversis perfugium ac solatium præbent, delectant Domi—non impediunt *foris*—pernoctant nobiscum, peregrinantur, rusticantur. Though our Institution has not been so long established, as to justify us in boasting of it, in *all* these respects, at present; yet it has already brought forth talent, given some light and entertainment, combined with useful instruction, and encourages the expectation of more.

With the countenance of a liberal public, which we have no fear of losing, there cannot be any reason to doubt, that the Literary and Philosophical Society of Sheffield, will contribute its full share of influence, in promoting the advancement of science and literature in general, and particularly, in extending their advantages, through our populous town and its vicinity. On a just

and generous feeling, and an improving taste, we relied with confidence, and have not been disappoint

For themselves, your council can truly say, they have endeavoured to do their duty; and they r their respective offices into the hands of their ex tients, not doubting that their successors will co the honour and interest of the Society as faithful they have done before them.

TREASURER'S ACCOUNTS,

AT THE CLOSE OF THE SESSION, 1884.

RECEIPTS.		DISBURSEMENTS.	
	£ s. d.		£ s. d.
Balance of last year	553 19 8½	Messrs. Smith and Phillips for Lectures...	60 0 0
Interest	12 19 1	Rent.....	50 0 0
Annual Subscriptions and Enticences for 1885	431 11 0	Cases for Apparatus and Museum, for fitting up Gas, and for Apparatus.....	307 3 7
		Mineralogical and Entomological Specimens.....	24 19 0
		Sundries, being expenses at Lectures, Postages, Candles, Attendants' Salaries, &c.	93 12 1
		Balance in hand.....	552 12 1½
			<hr/>
			988 6 9½

RESOLUTIONS.

At the Annual Meeting of the Proprietors of the Sheffield Literary Philosophical Society, held at the Outlers-Hall, on Friday, Jan. 6th, 1896,

Dr. PHILIPPS IN THE CHAIR.

It was resolved,

After the preceding Report had been read, that the same be printed

Resolved, That the thanks of the Society be given to Dr. PHILIPPS for the very able manner in which he has conducted himself, during last year, as President of the Society.

Resolved, That the thanks of the Society be given to the Secretaries, Curator, and Treasurer, for their services during the past year, and that they be requested to hold their offices for another year.

Resolved, That the thanks of the Society be given to the Council for the past year.

Resolved, That the thanks of the Society be given to those Gentlemen, who have delivered Public Lectures to the Society during the last year.

Resolved, That the thanks of the Society be given to those Gentlemen, who have read Essays or Papers at the General Meetings.

Resolved, That the thanks of the Society be given to the Donors of the Library and Museum.

Dr. PHILIPPS, Chairman.

REPORT OF THE SECRETARIES

FOR 1825.

LECTURES

DELIVERED BEFORE THE SOCIETY.

- Jan. 28. *Rev. H. H. Piper.*—On the peculiarities of the Dialect of Sheffield and its Neighbourhood.
- March. *Mr. Abraham, F.S.A.*—A Lecture on Pneumatics.
- May 3, 6, 10, 13, 17, 20, 24, 27, and 31.
Mr. W. Smith and Mr. J. Phillips.—Nine Lectures on Geology.
- Dec. 20 & 23. *J. C. Williams, M.D.*—Two Lectures on the relation between the Animal and Vegetable Kingdoms.

PAPERS, &c.

READ AND DELIVERED BEFORE THE SOCIETY.

- Jan. 21. *Mr. John Todd.*—A Paper containing some objections to the Doctrine of Phrenology.
- March 4. *Mr. Palfreyman.*—An Essay on the various modes of Judicial Swearing practised in different countries.
- April 8. *Rev. N. Philippe, D.D.*—On Druidism.
- June 2. *Mr. S. Mitchell, jun.*—On Druidism.
- July 1. *Mr. S. Bailey.*—A Paper containing an examination of the several hypotheses relative to the Elephant discovered at the mouth of the Lena.
- August 5. *Mr. James Ray.*—On the Circulation of the Blood.
- September 2. *J. C. Williams, M.D.*—On the Skin and its Functions.
- October 7. *Mr. Charles Appleby.*—On the Effect of Climate, in occasioning the Varieties of Colour amongst the human race.
- Nov. 11. *A. Knight, M.D.*—On Digestion.
- Dec. 2. *Mr. Robert Younge.*—On Electricity and Galvanism, and their connexion in Electro Magnetism.

DONATIONS TO THE MUSEUM.

A Cast of the Head of a New Zealand Chief, and a Phrenological Cast.	J. C. Williams, Esq.
Two Cases of Entomological Specimens.	J. Westwood, of London.
A Collection of Lavas.	Mr. Rhodes.
Some Specimens of Gold and Silver Ores.	Mr. Thomas Brasen.
A Collection of Mineralogical Specimens.	Mr. Montgomery.
A Collection of Geological Specimens.	Mr. W. Smith.
A large Collection of Mineralogical and Geological Specimens.	Mr. Charles Appleton.
A Cast of the Head of a New Zealand Chief.	Mr. Teale.
An Anatomical Specimen.	Mr. R. G. Holmes.
A Collection of Minerals.	Mr. Edward Harris.

DONATIONS TO THE LIBRARY.

A Pamphlet on the Corolla of Flowers, by Mr. Murray.	By the Author.
A Treatise on Rail Roads.	Mr. Sykes, the Editor.
First Number of the Enquirer, History of Lewes.	By the Rev. T. M.
Prospectus and Annual Report of the Royal Society of Literature.	By the Royal Society.
Rules and Brief Directions of the Hull Society.	By the Hull Society.
A Memoir on Fossil Reliquia and unknown Vegetables in the Coal Strata, by Rev. H. Steinhauer.	Rev. J. Montgomery.
The 5th Report of the Leeds Society.	By the Council.
The Report and Rules of the York Society.	By the York Society.
Several parts of the Analyses of the Transactions of the Royal Academy of France.	Mr. Lhuillier.
Fourth Report of the School of Arts, at Edinburgh.	Mr. Robert Young.

PURCHASED FOR THE SOCIETY.

Several Works on Mineralogy and Geology.

A Treatise on Entomology, with Plates, coloured by Mr. Westwood.

Air Pump, with Auxiliary Apparatus.

Pyrometer.

Mountain Barometer.

Self Registering Thermometer.

Hygrometer.

A Collection of Insects of the Neighbourhood.

Several small Collections of Minerals and Geological Specimens.

Two Specimens of Natural History, a Lioness and a Leopard.

OFFICERS FOR 1826.

President.

Mr. S. BAILEY.

Vice Presidents.

Rev. N. PHILIPPS, D.D.
Dr. KNIGHT,

Mr. MONTGOME
Rev. H. H. PIPEI

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OFFLEY SHORE.

Secretaries.

L. PALFREYMAN,

R. YOUNGE.

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W. JACKSON.

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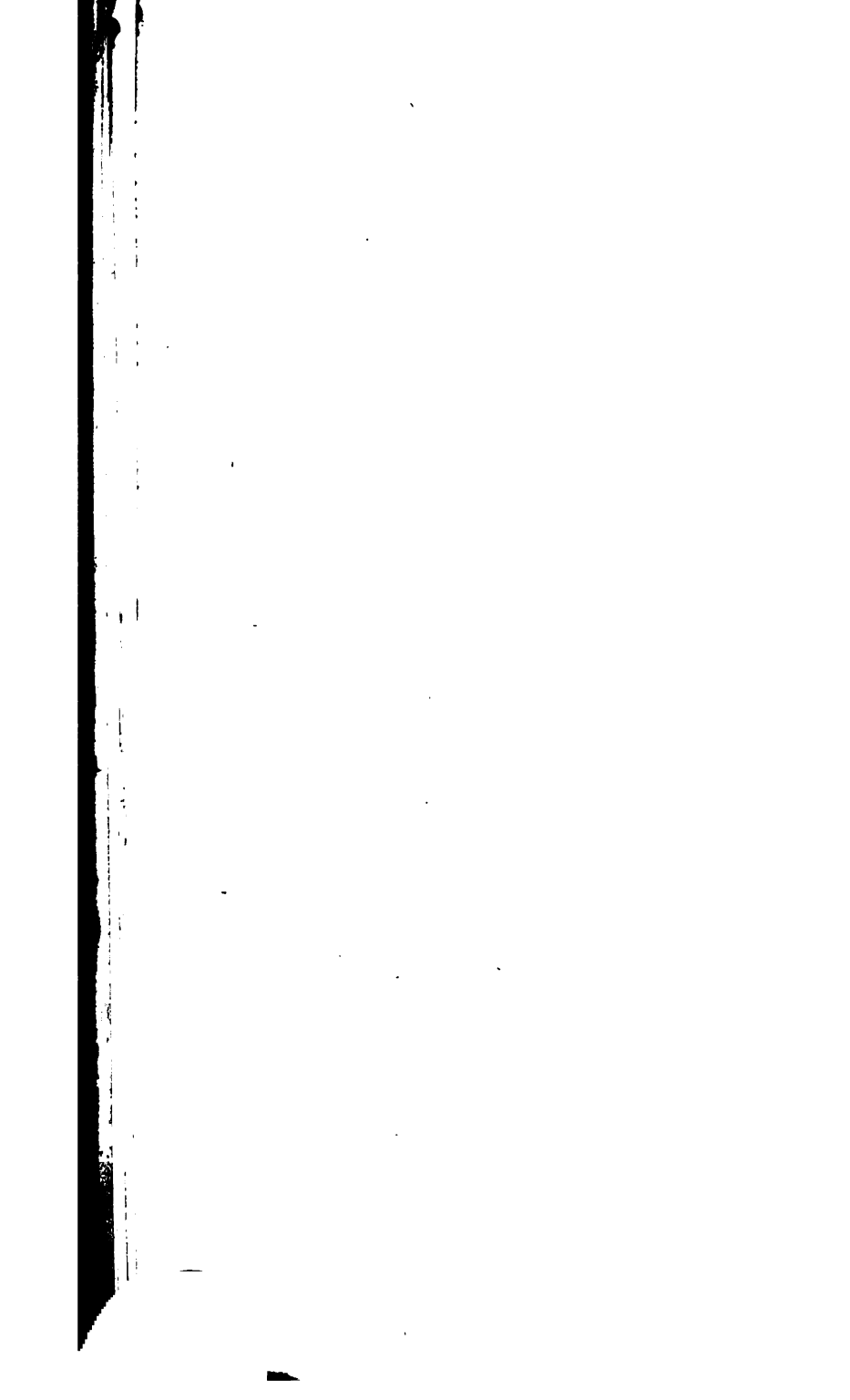
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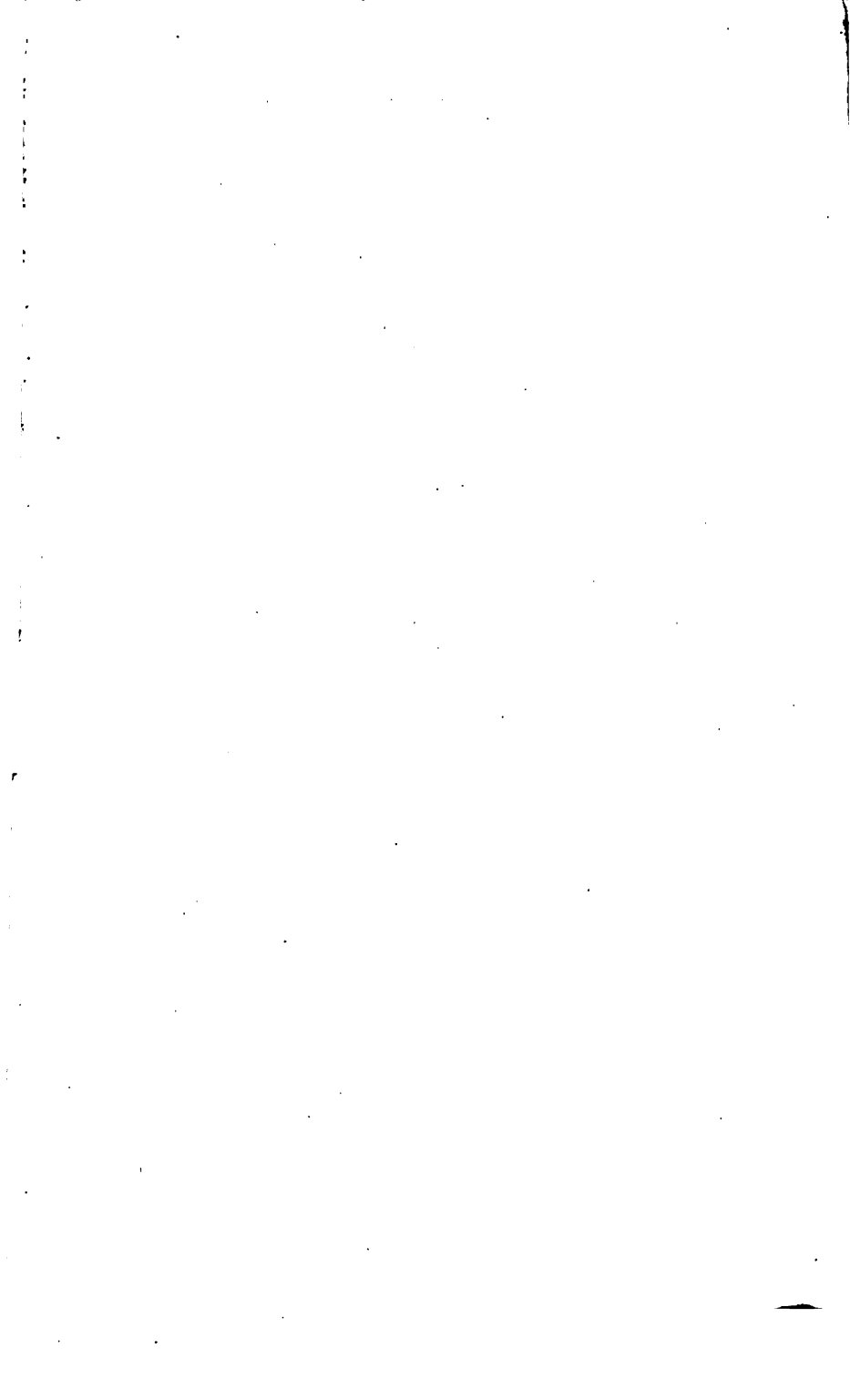
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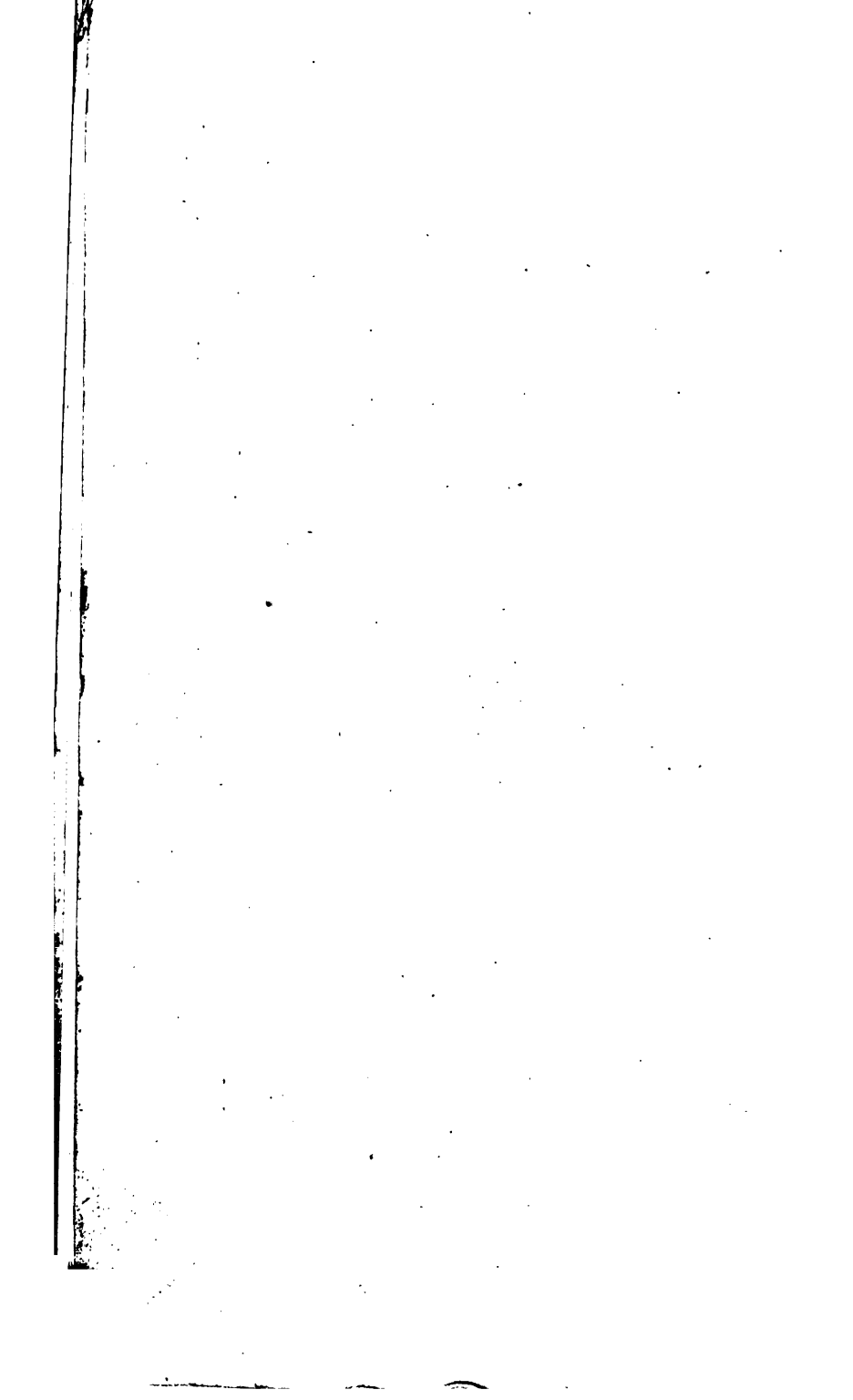
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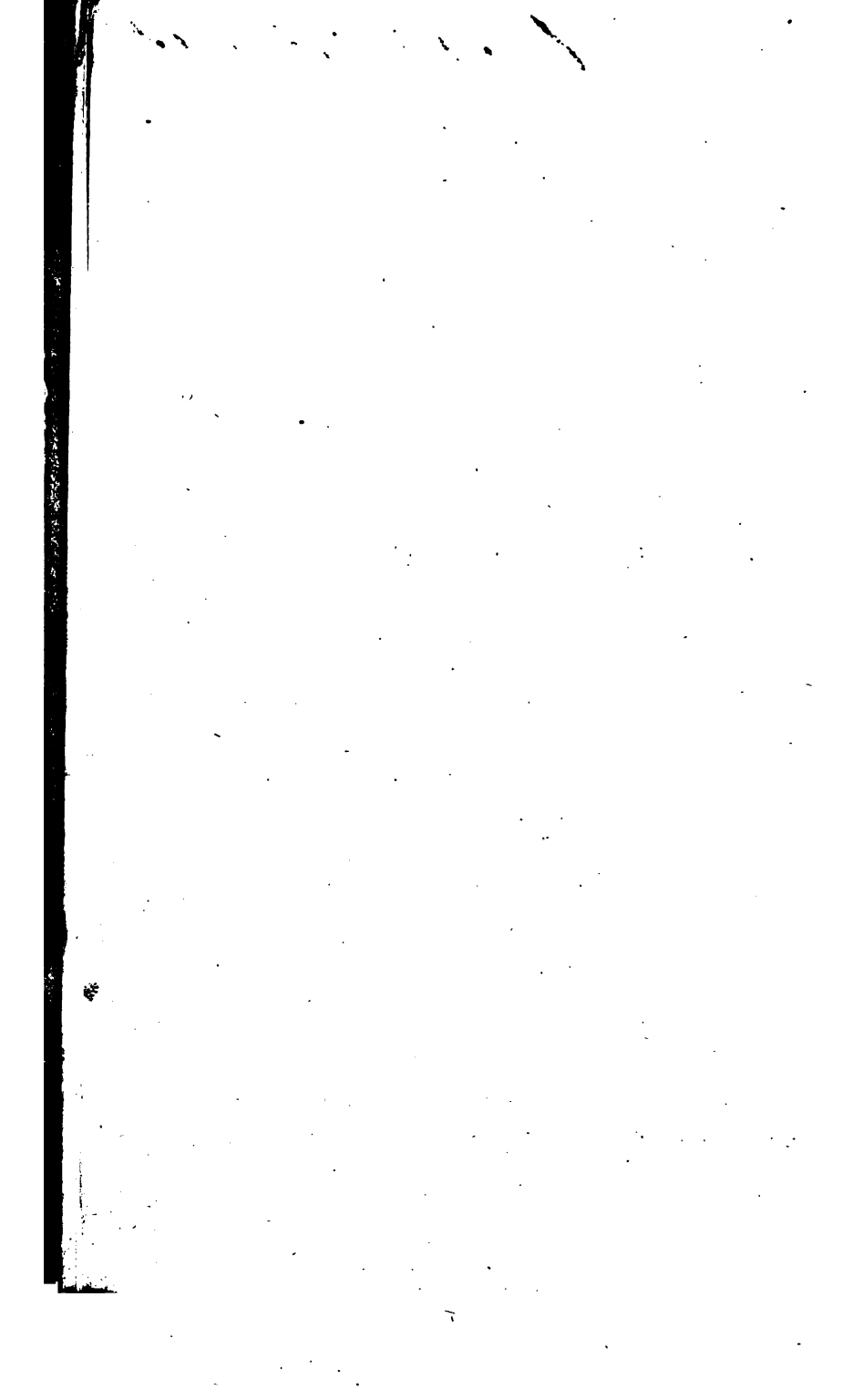
THE
ELEVENTH ANNUAL REPORT
OF THE
SHEFFIELD
LITERARY & PHILOSOPHICAL
SOCIETY.

DELIVERED AT THE ANNUAL MEETING,
JANUARY 3, 1834.

SHEFFIELD :
PRINTED BY ROBERT LEADER, INDEPENDENT OFFICE.

MDCCCXXXIV.

See 3071. 1834



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REPORT, &c:

THE Council have little to state in reference to their official operations during the past twelve months, except that according to the best of their judgment, and as occasion was afforded to them, they have faithfully endeavoured to fulfil their various duties, in supporting the credit, and promoting the interests of the Institution.

In the early part of the year, Mr. EDWIN ATHERSTONE delivered before the proprietors and subscribers a course of six lectures on *Poetry*. These, however, afforded less satisfaction than the Council were warranted to expect from the character of his published works, and the testimonies in his favour as a lecturer, which they received from other towns where he had appeared. In the autumn, Mr. PHILIPPS delivered six lectures on *Vocal Music*, which were considerably more successful than the former in the estimation of the numerous audiences which attended them.

During the summer, a negotiation was opened with the Rev. DIONYSIUS LARDNER, L.L.D., for lectures on scientific subjects, and, by special permission of a general meeting of proprietors, the Council were authorized to treat with him, though the time of delivery was necessarily deferred till February or March of the present year, 1834. Various hindrances have hitherto prevented the final arrangements, which, of course, must be concluded by the new officers to be appointed this day.

The papers which have been read at the monthly meetings, have, probably, been as creditable to the writers, and as interesting to the proprietors and their friends, as those produced in any former year. Particulars of these, as well as of the various presents which have been received, and purchases which have been made, for the use of the Institution, will be annexed to this Report.

The Council have only to add, that, on retiring from their posts, they trust that successors will be elected to fill the same; who, under more favourable circumstances than they have had to encounter, may be enabled to serve the Society more efficiently than they have had either power or opportunity to do.

TREASURER'S REPORT FOR 1833.

RECEIPTS.

	£.	s.	d.
To Balance of last Year.....	381	17	7
To Subscriptions, and Entrances, and Interest	207	18	0

DISBURSEMENTS.

	£.	s.	d.
By Rent.....	63	16	0
By Mr. Atherstone, for Lectures.....	31	10	0
By Mr. Philipps, for Lectures.....	63	0	0
By Anatomical Specimens.....	7	4	6
By Minerals	10	16	6
By Insects.....	5	0	0
By Sub-Curator's Salary.....	40	0	0
By Printing, Postages, and other incidental Expenses	25	14	0
	<u>£247</u>	<u>1</u>	<u>0</u>
By Balance.....	342	14	7
	<u>£589</u>	<u>15</u>	<u>7</u>

£589 15 7

RESOLUTIONS.

*At the Annual Meeting of the Society, held at the Music Hall
on the 3rd of January, 1834,*

Mr. S. BAILEY IN THE CHAIR;

A Report of the proceedings of the Society, and of the state of Funds, &c. having been read,

It was resolved,—That the same be printed.

Resolved,—That the thanks of the Society be given to Mr. Montgomery, for his services as President during the past year.

Resolved,—That the thanks of the Society be given to the Vice Presidents, Secretaries, Council, Curator, and Treasurer, for the past year.

Resolved,—That the thanks of the Society be given to the Readers of Papers, during the past year; and also to the Donors to the Museum and Library.

Resolved,—That each proprietor be allowed to introduce two young men, under 21 years of age, to the monthly meetings of the Society.

S. BAILEY, CHAIRMAN.

REPORT OF THE SECRETARIES

FOR 1833.

PUBLIC LECTURES.

February 11, 15, 18, 22, and 25, and *March* 1.—Mr. EDWIN ATHERSTONE,—On the Nature and Principles of Poetry.

October 4, 7, 11, 14, 18 and 21.—T. PHILIPPS, Esq.—On Vocal Composition and Performance.

PAPERS AND ESSAYS,

READ AT THE GENERAL MEETINGS OF PROPRIETORS.

February 6.—Mr. EDW. SMITH,—On the Ores of Iron.

March 8.—Mr. MONTGOMERY,—On the Genius and Writings of Dante.

April 12.—Dr. HARWOOD,—On Vision.

May 3.—Rev. J. BLACKBURN,—A Paper illustrative of the Theory of Sound.

June 7.—Mr. PALFREYMAN,—On Prison Discipline and Secondary Punishments.

July 5.—Mr. W. JACKSON,—On Animal Mechanics.

August 2.—Mr. SPURR,—On Moral Reasoning.

September 6.—On the Philosophical Opinions of Bishop Berkley, and especially on the Non-existence of an External World; by Mr. WILKINSON, (of Leeds.)

October 4.—Dr. KNIGHT,—On the Employment of Criminals in Dry Grinding.

November 1.—Mr. GAINSFORD,—On the Literature of the Ages.

December 6.—Dr. KNIGHT,—On the Question, “Can Fork be carried on as a Penal Occupation, without the Health of those employed in it?”

DONATIONS TO THE LIBRARY.

April 12.—Abstracts of Proceedings of the Royal Society, and Philosophical Transactions, as published.—ROYAL SOCIETY.

April 12.—MURRAY's Observations on Flame.—THE AUTHOR.

June 7.—Proceedings of the Royal Society.—ROYAL SOCIETY.

June 7.—Report of the Yorkshire Philosophical Society.—COUNCIL.

July 5.—Parliamentary Paper relative to the British Museum.—PARKER, Esq. M. P.

August 2.—MURRAY's Manual of Chemical Experiments.—AUTHOR.

September 6.—MURRAY's Treatise on the Phenomena of the Thunder Cloud.—THE AUTHOR.

October 4.—First and Second Editions of HOWARD's Work, “On the Climate of London.”—THE AUTHOR.

December 6.—A Treatise “On the Equations of Loci, traced upon the Surface of the Sphere, as expressed by Spherical Co-ordinates.”—THE AUTHOR, T. S. DAVIES, Esq.

DONATIONS TO THE MUSEUM.

February 6.—Specimens of Smelted Iron.—Mr. S. JACKSON.

April 12.—Leaf of the Spanish Vine.—Mr. ABRAHAM.

May 3.—An Albatross,—Mr. TAYLOR; and Mineral Specimen,—Mr. MONTGOMERY.

June 7.—A Cranium, dug up on Castle Hill.—Mr. SENIOR.

July 5.—Beautiful Specimen of Branching Arragonite, (*Flos Ferri*);
by Mr. COPEL.

August 2.—A Collection of Minerals and Fossils.—JOHN READ, Esq.

September 6.—Specimen of Asbesté ligniforme,—Professor Dr.
KNIGHT, of Aberdeen; and Fossils from Speeton,—
T. A. WARD, Esq.

October 4.—Drawing of Apparatus connected with Dry Grinding, with
Description,—Mr. S. JACKSON; and a Nodule, with
Cavity, containing Quartz Crystals, with Gypsum,
from the Cheddar Hills,—Mr. HODGSON.

PURCHASED BY THE SOCIETY.

A Number of Zoological Specimens, chiefly Skeletons of Quadrupeds
and Birds; a small Collection of Foreign Insects; some Geo-
logical and Mineralogical Specimens, and Apparatus for making
Meteorological Observations.

OFFICERS.—1834.

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